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(71) Applicant (*for all designated States except US*): **ISIS IN-
NOVATION LIMITED** [GB/GB]; Ewert House, Ewert
Place, Summertown, Oxford OX2 7SG (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **WONG, Luet, Lok**
[GB/GB]; University of Oxford, Inorganic Chemistry
Laboratory, South Parks Road, Oxford OX1 3QR (GB).
BELL, Stephen [GB/GB]; University Of Oxford, Inor-
ganic Chemistry Laboratory, South Parks Road, Oxford
OX1 3QR (GB).

(74) Agents: **ROQUES, Sarah, Elizabeth**, et al.; J.A. Kemp
& Co., 14 South Square, Gray's Inn, London WC1R 5JJ
(GB).

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(54) Title: ELECTROCHEMICAL DETECTION OF NADH OR NAPH

(57) **Abstract:** A method for detecting the presence or absence of, or for determining the concentration of, NADH or NADPH in a sample is provided, wherein the method comprises - contacting a reductase and a redox active agent to said sample; and - measuring the quantity of reduced redox active agent produced by the reductase, by electrochemical means. The method may be used to quantify the amount or activity of a redox enzyme or its substrate, wherein the redox enzyme uses NAD⁺, NADP⁺, NADPH or NADP as a cofactor.

WO 03/071283 A1